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20 September 1973

MEMORANDUM FOR: DDI Planning Officer

SUBJECT : Follow-On Action to the FY 1975 Program Review - Map Production

REFERENCE : Your Memo to D/BGI, dated 6 September 1973, Same Subject

1. CIA and DMA mapping activities are, for the most part, mutually exclusive. CIA production is small-scale, thematic, and strategic in nature. DMA products are large-scale, operational topographic, hydrographic and aeronautic maps for military use. We believe we are currently drawing upon DMA production facilities to the maximum extent feasible. DMA support to CIA is frequently requested and, under certain specific circumstances, has resulted in substantial savings to the Agency in research and production time.

2. Developments in Automatic Data Processing and in OBGI's AUTOMAP program are reducing significantly the costs of base map production in the CIA. These developments are being shared with not only the Defense Mapping Agency but also the U. S. Geological Survey and the academic community. The country base maps were originally designed to support the NIS program, but for many years have been essential base maps for a wide variety of CIA uses and publications and to a great many users in other agencies. The rationale for maintaining the base map program now goes far beyond the original NIS purposes.

3. The Cartography Division mapping program is perhaps the most diverse of any map-making organization in Government. With limited exceptions, products are thematic and problem-oriented, usually one of a kind, and the elapsed time between inception and printing may range between one hour for a miniature illustration in

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an OCI publication to one man-year for a town plan of Moscow.* In these respects, CIA mapping activities are vastly different from those in other Government mapping agencies such as the Defense Mapping Agency, the Geological Survey, and the National Ocean Survey, where activities are programmed 12 to 24 months in advance and products designed to be produced on an assembly line and with very little flexibility built into the process. This difference is extremely important in considering the kind of map which CIA could profitably task the DMA to produce. Based upon past experience, tasking DMA has been feasible under the following circumstances:

- a. Funds are available for transfer.
- b. Design is of minor importance.
- c. Precise specifications can be written.
- d. When the need for the map is far into the future.

4. CIA has occasionally asked DMA for support and found their cost and time estimates to be unacceptable. The latest such case was in 1971, when a detailed terrain analysis was required of a denied area. The DMA estimate was \$75,000 and the time, 18 months. The job was accomplished in-house in 350 man-hours.

5. Personnel in OBGI stay in close touch with top and middle level managers in the major Government mapping agencies, and requests for support are periodically levied in both directions. There is a fairly regular pattern to requests made upon the Agency, being for:

- a. Computer/plotter support.
- b. Reprinting of a CIA map.
- c. Plates from CIA maps which can be used for further printing.

Incidentally, this great range in variety of product distorts Cartography Division production reporting. This reporting lumps together many hundreds of the one-hour map illustrations with the significantly fewer maps requiring large man-hour inputs.

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6. CIA requests to the other agencies for support are characteristically for reproducibles from DMA maps for modification in CIA to fit special Agency requirements. However, occasions arise for support of a different nature. In recent years, this has included three-dimensional models of the Khe Sanh and the A Shau areas, a city map of Peking, a city map of Moscow, [REDACTED] evaluations of DMA products.

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7. A major existing cooperative DoD/CIA effort is the Intelligence Mapping Program, which has been underway since 1960. The basic cartographic work is done by DMA and the intelligence overlay compiled by OBGL.

8. At the moment, there appears to be nothing among the Cartography Division project listing that should be contracted to DMA. The annual DMA mapping program includes CIA map requirements with respect to scales required and area priorities.

STATINTL

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